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DESCRIPTION

IMMUNOASSAY OF PIVKA-II

This application is a 371 of PCT/JP00/03550 filed June 1,

5 2000.

Technical Field:

The present invention relates to an immunoassay utilizing an antigen-antibody reaction for specifically measuring with high sensitivity PIVKA-II (Protein Induced by Vitamin K
10 Absence or Antagonist-II) in serum or plasma by adding thrombin and/or an antibody reacting with human fibrin-like related substances to the reagents.

Background Art:

15 Along with AFP(α -fetoprotein), PIVKA-II (Protein Induced by Vitamin K Absence or Antagonist-II) is measured widely in clinical examination laboratories as a hepatic cell tumor detecting marker which specifically increases in hepatic cell cancer patients. Generally, magnetic beads, glass beads, plastic plates,
20 latexes or the like on which PIVKA-II specific monoclonal or polyclonal antibodies are adsorbed are subjected to a first reaction with serum or plasma. Then, after washing the reaction mixture for B/F separation, a second reaction is carried out by adding human prothrombin specific polyclonal or monoclonal antibodies
25 labeled with an enzyme, a fluorescent material, a radioisotope, an